

Woodgrip™ Fasteners

Woodgrip and HiLo Woodgrip
For metal to wood

Woodgrip is the original sheet to wood fastener designed to self-drill metal panels:

- High Hex Washer Head provides driving stability and a sharp point for quick installation.
- Assembled with a control seal washer for a consistent, weather tight seal and improved installation appearance.
- Extended corrosion resistant coating system.

Woodgrip XG is a sheet to wood fastener designed to self drill metal panels:

- Superior performance in OSB, plywood and 1x4 pine.
- Superior resistance to stripout
- Extra aggressive thread design.
- Improved pullout and backout values over other wood screws by as much as 30%.
- Extended corrosion resistant coating system.

HiLo Woodgrip is a sheet to wood fastener designed to self-drill metal panels:

- High Hex Washer Head provides driving stability and a milled point for quick installation.
- Assembled with a bond seal washer for a consistent, weather tight seal and improved installation appearance.
- Extended corrosion resistant coating system.

Low Profile Woodgrip is a sheet wood fastener designed to self-drill metal panels:

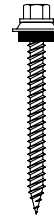
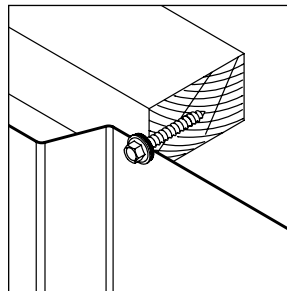
- Low profile head for pleasing appearance.
- Mill point ensures great drill performance.
- HiLo thread with added pull-out resistance.
- Available with bond seal for exterior sidewall application or no washer for interior applications.
- Corrosion resistant coating system.

Application

**Woodgrip 9–15 HWH
Sharp Point**

**Assembled with Control Seal
Metal to wood**

Drilling capacity: 24 ga (.024)
Self-drills through the metal panel
and taps into wood substrate.
Min penetration in wood substrates
should be no less than 1"



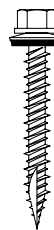
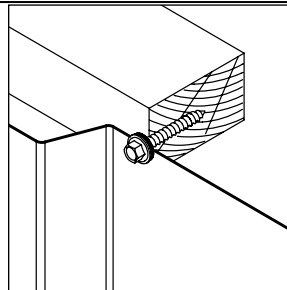
1/4" Hex Washer Head
Thread Major Dia: .181 – .175
Thread Minor Dia: .133 – .127

Strength (lbs ult.):

Tensile: 1500
Torsional: 60 in-lbs min.
Shear: 933

**HiLo Woodgrip 10–15
Assembled Bond Seal washer
Metal to wood**

Drilling capacity: 24 ga (.024)
Self-drills through the metal panel
and taps into wood substrate.
Min penetration in wood substrates
should be no less than 1"



1/4" Hex Washer Head
Thread Major Dia: .199 – .191
Thread Minor Dia: .133 – .127

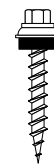
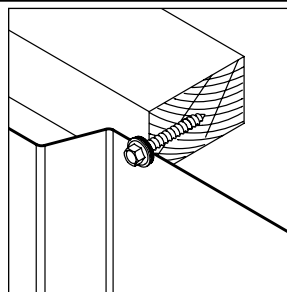
Strength (lbs ult.):

Tensile: 1500
Torsional: 60 in-lbs min.
Shear: 933

**Woodgrip XG 12–8 HWH
Sharp Point**

**Assembled with Control Seal
Metal to wood**

Drilling capacity: 24 ga (.024)
Self-drills through the metal panel
and taps into wood substrate. Large,
aggressive thread design provides
superior resistance to strip-out, and
superior performance in OSB, plywood,
and 1x4" pine. Min penetration in wood
substrates should be no less than 1"



1/4" Hex Washer Head
Thread Major Dia: .219 – .215
Thread Minor Dia: .133 – .127

Strength (lbs ult.):

Tensile: 2183
Torsional: 60 in-lbs min.
Shear: 1946

Notes

Dimensions are nominal inches unless noted.

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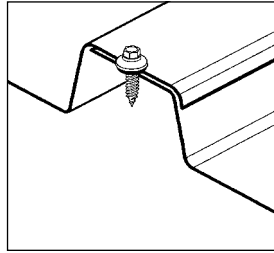
Woodgrip™ Fasteners

Woodgrip and HiLo Woodgrip
For metal to wood

Application

**Woodgrip 12 x 3/4 Lap
Assembled Bond Seal washer**

Drilling capacity: 2 x 24 ga
Panel to panel side lap, end lap
and other stitch applications

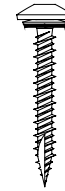
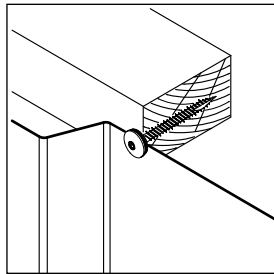


1/4" Hex Washer Head:
Thread Major Dia: .215 - .208
Thread Minor Dia: .164 - .157

Strength (lbs ult.):
Tensile: 2100
Torsional: 92 in-lbs min.
Shear: 1800

**Woodgrip HiLo 10-15 Low Profile
Exterior Sidewall Fastener,
Bond Seal**

Drilling capacity: 24 ga. (.024)
Self-drills through the metal panel
and taps into wood substrate.
Min penetration in wood substrates
should be no less than 1"

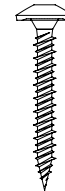
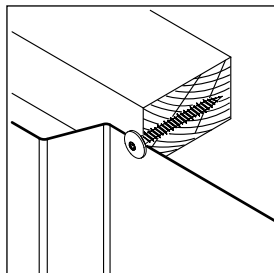


T25 TORX Pan Head:
Thread Major Dia: .199 - .191
Thread Minor Dia: .133 - .127

Strength (lbs ult.):
Tensile: 1500
Torsional: 60 in-lbs min.
Shear: 933

**Woodgrip HiLo 10-15 Low Profile
Interior Liner Panel, No Washer**

Drilling capacity: 24 ga. (.024)
Self-drills through the metal panel
and taps into wood substrate.
Min penetration in wood substrates
should be no less than 1"



T25 TORX Pan Head:
Thread Major Dia: .199 - .191
Thread Minor Dia: .133 - .127

Strength (lbs ult.):
Tensile: 1500
Torsional: 60 in-lbs min.
Shear: 933

Available painted white only.

Notes

Dimensions are nominal inches unless noted.

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Performance Pounds Ultimate

Pull-out (lbs ult.)
Wood: Spruce, Pine, Fir

#9 Woodgrip Control Seal Washer	
1-1/2" Penetration	748
1" Penetration	542

#10 HiLo Woodgrip Bond Seal Washer	
1-1/2" Penetration	820
1" Penetration	524

#10 HiLo Torx Pan Head Woodgrip	
1-1/2" Penetration	820
1" Penetration	524

Pull-out (lbs ult.) **% Increase Strip-out vs. Woodgrip (in-lbs)**

#12 Woodgrip XG Control Seal Washer		
SPF 1-1/2" Penetration	874	20
SPF 1" Penetration	571	20
1x4" Pine	590	34
3/4" Plywood	587	25
5/8" Plywood	446	31
1/2" Plywood	384	39
23/32" OSB	524	21
19/32" OSB	456	31

Pull-over

29 ga (110 ksi): 577
26 ga (70 ksi): 637
24 ga (70 ksi): 800

29 ga (110 ksi): 577
26 ga (70 ksi): 637

29 ga (110 ksi): 577
26 ga (70 ksi): 637
24 ga (70 ksi): 800

Pull-over

29 ga (110 ksi): 577
26 ga (70 ksi): 637
24 ga (70 ksi): 800

Notes: Woodgrip and HiLo pull-out strength values may vary from tested loads depending upon specific wood density variations. Woodgrip and HiLo pull-over strength values are based on .035" thick, 1/2" OD Control Seal or Bond Seal washer and have been updated to reflect common tensile strengths of metal panels as a function of panel thicknesses.

TORX® pan head HiLo pull-out strength values may vary from tabulated loads depending upon specific wood density variations. Pull over strength values are based on 1/2" nominal OD TORX® head and AZ55 Galvalume steel material.

Percent increase strip-out values of the Woodgrip XG over the standard Woodgrip are typical results, as encountered when fasteners are installed at 2500 rpm until full strip-out occurs.

Ultimate values listed are the result of laboratory testing. The specific job conditions should be considered and appropriate safety factors applied when specifying the proper fastener.

Fasteners installed in less than 1" of solid wood may have an increased potential for sealing or connection failure over time. This may be due to the fasteners being stripped out during installation and/or due to the lack of adequate wood fiber material to hold the fastener in place during thermal movement cycles or other forces which may be exerted upon the connection.

Selection

Size	Woodgrip	HiLo Woodgrip	Woodgrip XG	Exterior Low Profile	Interior Liner Panel
1"	V0161-CCF	V1008-CDF	V1806-EMF	A0408-CFF	A0308-001F
1-1/2"	V0261-CCF	V1012-CDF	V1841-EMF	A0412-CFF	—
2"	V0381-CCF	V1016-CDF	V1851-EMF	A0416-CFF	—
2-1/2"	V0461-CCF	V1020-CDF	V1856-EMF	—	—
3"	V0485-CCF	V1024-CDF	V1861-EMF	—	—
12 x 3/4" (1/4" HWH)	V1701-ECF	V1707-EAF	—	—	—

Installation

Tools: 0 – 2500 rpm screw driver equipped with depth sensing nose piece.

Options

